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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/524,587	03/13/2000	Seiji Manabe	MAT-7927US	6215
7590 11/02/2004			EXAMINER	
Lawrence E Ashery			NGUYEN, CHANH DUY	
Ratner & Prestia			ART UNIT	PAPER NUMBER
One Westlakes Berwyn Ste 301 P O Box 980			2675	THE DRIVING CO.
Valley Forge, PA 19482-0980			DATE MAILED: 11/02/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
÷	09/524,587	MANABE ET AL.					
Office Action Summary	Examiner	Art Unit					
	Chanh Nguyen	2675					
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet w	ith the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 Cf after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, If NO period for reply is specified above, the maximum statutory properties of the second period for reply within the set or extended period for reply will, by some and patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thir eriod will apply and will expire SIX (6) MOI statute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).					
Status	•						
1) Responsive to communication(s) filed on	17 June 2004.						
2a) ☐ This action is FINAL . 2b) ⊠	This action is non-final.						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)	2 and 44-56 is/are withdrawn f	rom consideration.					
Application Papers							
	9) The specification is objected to by the Examiner.						
	0) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the co							
11) The oath or declaration is objected to by the		• •					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a	ments have been received. ments have been received in A priority documents have been ureau (PCT Rule 17.2(a)).	Application No received in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)					
 Notice of Draftsperson's Patent Drawing Review (PTO-9483) Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date 	B/08)	s)/Mail Date Informal Patent Application (PTO-152) 					

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DETAILED ACTION

1. The amendment filed on June 17, 2004 has been entered and considered by examiner.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 23-24, 26-27, 30-32, 34-36 and 43 are rejected under 35 U.S.C. 102(b) as being anticipated by Lindblad (U.S. Patent No. 5,404,277).

As to claim 23, Lindblad discloses a surface lighting device comprising a light guide member (10) including a light-inlet plane (surface 16), a light reflecting plane (surface 17) over the light inlet plane (surface 16), a light guide section (section formed by two planes 16, 22), a light emitting plane(surface 24) and side planes (22 and 23). Lindblad teaches a light source (12) disposed on a corner of the light guide member (10), wherein an angle formed by the two planes (surfaces 22 and 23) of the light guide member (10), where the light-inlet plane (16) exists between the two planes (22 and 23), is an acute angle. It is noted that the angle formed by two planes (22 and 23) slant toward each other, thus it forms an acute angle at a point above surface (24) (Figure 2). Figure 3 shows the same way as Figure 2 (Fig.3 is upside down of Fig.2),

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the side planes (22-23) meet at one point below the surface (24) created an acute angle.

As to claim 32, this claim differs from claim 23 only in that the limitation "a liquid crystal display element" is additionally recited. Lindblad clearly teaches a liquid crystal display element (25).

As to claims 36 and 43, these claim differs from claim 32 in that the limitation "portable" is additionally recited in the preamble. Lindblad clearly teaches a portable terminal which is described in the reference of Blackington as cited on column 1, lines 20-25.

As to claims 24 and 26, Lindblad clearly teaches at least one of the two plane (16, 22) approaching a emitting face a greater distance from the light source (12) as broad claim.

As to claim 27, the limitation "the light-inlet includes an end face slant with respect to the light emitting section and an incident plane" broadly reads on the surface (22) of Lindblad which is slant with respect to the light emitting section (24) and an incident plane (16).

As to claim 30, Lindband clearly teaches the light source (12) being a single piece of light emitting diode.

As to claims 31 and 35, Lindband teaches that "one or more dies (12) can be mounted on board 11 beneath surface 16" (see column 2, lines 58-59). This read on claimed a plurality of light emitting diodes.

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As to claim 34, the claimed "two sides adjacent to said light source are longer than other sides respectively" so broad that it reads sides (24 and 17-18) are longer than sides (22 and 23) as taught by Lindband.

Claim Rejections - 35 USC § 103

- 4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).
- 6. Claims 28-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lindband in view of Koike et al (U.S. Patent No. 5,528,709).

As to claim 28, note the discussion of Lindband above, Lindband does not mention a curved face widening in sector shape near the light source. Koike (Figure 5B) teaches a curved face widening in sector shape near the light source (3).

Therefore, it would have been obvious to one of ordinary skill in the art at the invention

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was made to have used a curved face widening in sector shape near the light source (3) as taught by Koike to the light inlet of Lindblad so that it can be used when the LED is weak in directivity of radiation light (see column 8, lines 15-18 of Koike).

As to claim 29, Koike clearly teaches a light emitting diode (3) having concave face.

Response to Arguments

7. Applicant's arguments with respect to claims 23-24, 26-32, 34-36 and 43 have been considered but are moot in view of the new ground(s) of rejection.

Applicant argues that if two planes (22 and 28) are said to correspond to Applicant's side planes, then there is no structure in Lindblad which corresponds with applicant's "light reflecting plane above the light inlet plane". However, now the plane (17) of Lindblad is interpreted as light reflecting plane because it performs the function of reflection (see Fig. 2, light beam 26 reflects to surface 24 by the light reflecting 17). Also, light reflecting (17) is above the light inlet plane (16) as shown in Figure 3.

The new limitation "side planes" now reads on the planes (22 and 23), not planes (22 and 28) as analyzed as previous office action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chanh Nguyen whose telephone number is (703) 308-6603.

Any response to this action should be mailed to:

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Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

C. Nguyen October 30, 2004

> CHANH NGUYEN PRIBARRY EYAAMSE